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Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=6; day=12; hr=7; min=19; sec=29; ms=256;]

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Application No: 10082973 Version No: 4.0

Input Set:**Output Set:**

Started: 2009-06-04 17:28:19.196
Finished: 2009-06-04 17:28:21.284
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 88 ms
Total Warnings: 27
Total Errors: 0
No. of SeqIDs Defined: 73
Actual SeqID Count: 73

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (37)
W 213	Artificial or Unknown found in <213> in SEQ ID (38)
W 213	Artificial or Unknown found in <213> in SEQ ID (39)
W 213	Artificial or Unknown found in <213> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (41)
W 213	Artificial or Unknown found in <213> in SEQ ID (42)
W 213	Artificial or Unknown found in <213> in SEQ ID (43)
W 213	Artificial or Unknown found in <213> in SEQ ID (44)
W 213	Artificial or Unknown found in <213> in SEQ ID (45)
W 213	Artificial or Unknown found in <213> in SEQ ID (46)

Input Set:

Output Set:

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Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (47)
W 213	Artificial or Unknown found in <213> in SEQ ID (48) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Norris, James S.
 Clawson, Gary A.
 Schmidt, Michael G.
 Hoel, Brian D.
 Pan, Wei-Hua
 Dolan, Joseph W.

<120> TISSUE-SPECIFIC AND TARGET RNA-SPECIFIC RIBOZYMES

<130> 14017-0004002

<140> 10082973

<141> 2009-06-04

<150> 09/338,942

<151> 1999-06-24

<150> 60/090,560

<151> 1998-06-24

<150> 60/096,502

<151> 1998-08-14

<160> 73

<170> FastSEQ for Windows Version 4.0

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<211> 492

<212> DNA

<213> Artificial Sequence

<220>

<223> ARN promoter

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gatecgcggc gtcggtgccg gcggccgggt cttccgcctg ctcggcggtg ccggtccgtg	180
cggccttggc gtccgcggcg gcgcgcgatg agggcgggcac ctgggtggtg atccagccac	240
tgagggtcaa cattccagtc actccgggaa aaatggaatt cttccattgg atcggccac	300
gcgtcgcgaa cttgagcccc cttttcgteg cccttgaca gggcgcgaca ggtagtcgca	360
gttgtttgac gcaagtcact gattggaaac gccatcggcc tgtcagaaat ggtcgttgcc	420
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<211> 1113

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<223> PROC promoter

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ggtggcaggc	cggcggagag	gtgcagggtc	gaagcgccct	gtttggcact	gaaggcgagc	180
agctcggtaa	tatccatggg	actccccaat	tacaagcaag	caggtagaat	gccgccaaa	240
ccgccgtctc	ggacaaggaa	aacaccggat	gagccagggt	gcttccagga	cacgcgtggt	300
gtcctgcgcc	agacgcggaa	cctcgacact	ggaacaggaa	gatggccatc	gaggccggcg	360
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atagcagaga	atattgcaaa	ggttgccgcg	cgcatacgtg	aggcagcgca	agctgcgggg	480
cgcgatccgg	ccacggtcgg	cctgctcgcc	gtgagcaaga	ccaagcccgc	cgcgcgggtg	540
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tcgaacaaga	cgcggcccat	cgcgagcat	ttccagtggg	tgcactcggg	ggaccggttg	720
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gccctggccg	aggcgtgaa	gcaactgccc	aacctccgat	tgcgtggcct	gatggccatc	900
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ctgctggacc	tgaaccttgg	cctggacacc	ctgtccatgg	gcatagagca	cgacctcgag	1020
gcagccatcg	gcgaagggtg	gacctgggtc	cgcatacggta	ccgccctgtt	cggcgcccg	1080
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<213> Artificial Sequence

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<211> 685

<212> DNA

<213> Artificial Sequence

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<223> UPCM2 cassette sequence

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acgatgacat	tctgctgacc	agattcacgg	tcagcagaat	gtcatcgctg	gttccaggat	180
ccggctgcta	acaaagcccc	aaaggaagct	gagttggctg	ctgccaccgc	tgagcaataa	240
ctagcataac	cccttggggg	ctctaaccgg	gtcttgaggg	gttttttgc	gaaaggagga	300
actatatccg	gatatcccgc	aagaggcccc	gcagtaccgg	cataaccaag	cctatgccta	360
cagcatccag	ggtgacgggt	ccgaggatga	cgatgagcgc	attgttagat	ttcatacacg	420
gtgctgact	gcgttagcaa	tttaactgtg	ataaaactacc	gcattaaagc	ttatcgatga	480
taagctgtca	aacatgagaa	ttcggcgat	acgccgaatt	tcaagggtct	gcgcaacgac	540
gacgatgagg	taccacatcg	tcgtcggttc	gactgatga	ggccgtgagg	ccgaaaccct	600
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<213> Artificial Sequence

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<223> P2CM2 cassette sequence

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cgtgaggacg aaacgatgac attctgctga ccagattcac ggtcagcaga atgtcatcgt	180
cggttccagg atccggctgc taacaaagcc cgaaaggaag ctgagttggc tgctgccacc	240
gctgagcaat aactagcata accccttggg gcctctaaac gggctctgag gggttttttg	300
ctgaaaggag gaactatatc cggatatccc gcaagaggcc cggcagtacc ggcataacca	360
agcctatgcc tacagcatcc aggggtgacgg tgccgaggat gacgatgagc gcattgttag	420
atttcataca cgggtgcctga ctgcgttagc aatttaactg tgataaacta ccgcattaaa	480
gcttatcgat gataagctgt caaacatgag aattcggcgt atacgccgaa tttcaagggt	540
ctgcgcaacg acgacgatga ggtaccacat cgtcgtcggt gcgcactgat gaggccgtga	600
ggccgaaacc cttgacgcgt aaaaaaacc cgccccggcg gggttttttac gcgttcctat	660
gcggccgctc tag	673

<210> 6

<211> 14

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<213> Artificial Sequence

<220>

<223> primer

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agctcgagct caga	14
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<210> 7

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 7

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<210> 8

<211> 56

<212> DNA

<213> Escherichia coli

<400> 8

agatctaaat cattcacctg atgagtcggt gaggacgaaa ctttagcaaa ccaagg	56
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<210> 9

<211> 54

<212> DNA

<213> Escherichia coli

<400> 9
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 <211> 54
 <212> DNA
 <213> *Escherichia coli*

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<210> 11
 <211> 55
 <212> DNA
 <213> *Escherichia coli*

<400> 11
 agatctaaac gatttctga tgagtcctg aggacgaaac atcaccaaacc caagg 55

<210> 12
 <211> 56
 <212> DNA
 <213> *Escherichia coli*

<400> 12
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<210> 13
 <211> 53
 <212> DNA
 <213> *Streptomyces lividans*

<400> 13
 agatctaaag tactctgat gagtcctga ggacgaaacc agcgaaacca agg 53

<210> 14
 <211> 55
 <212> DNA
 <213> *Enterococcus faecalis*

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 agatctaaaa cttttgctga tgagtcctg aggacgaaac gtgtataaac caagg 55

<210> 15
 <211> 54
 <212> DNA
 <213> *Psudeomonas putida*

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<210> 16
 <211> 54
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<213> Staphylococcus warneri	
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<211> 39	
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ttcaaagact gatgagtcctg tgaggacgaa acgaggatc	39
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<213> Human papillomavirus	
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64

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65

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65

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acgaaannnn nnnnnggaau uccaaggguc ugcgcaacga cgacgaugag guaccacauc 180
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cgcucuaga 249

<210> 51
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<212> DNA

<213> Artificial Sequence

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<223> pSnip ribozyme cassette

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aggacgaaac ggatctgcag cggatatcca gctttggaac cctgatgagt ccgtaggagc	180
gaaacgatga cattctgctg accagattca cggtcagcag aatgtcatcg tcggttccag	240
gaccccttgc tgaattccaa gggctctgcgc aacgacgacg atgaggtacc acatcgctcg	300
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<212> DNA

<213> Artificial Sequence

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<223> modified pChop cassette

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acgatgacat tctgctgacc agattcacgg tcagcagaat gtcacgtcg gttccaggat	180
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ctagcataac cccttggggc ctctaaacgg gtcttgaggg gttttttgct gaaaggagga	300
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<212> DNA

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<223> pChop ribozyme cassette

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gcaacgacga cgaugaggua ccacaucguc gucguugcgc acugaugagg ccgugaggcc	180
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